Attorney Docket No. 8059-01-US	70
L_{2}^{∞}	_

							10		1 3
Compound	MOLSTRUCTURE	S%R 10 uM hGnRHR	Compound	MOLSTRUCTURE	S%R 10 uM hGnRHR	Compound	1	S%R 10 uM UhGnRHR	l
320	+4, +4, +4, +4, +4, +4, +4, +4, +4, +4,	9	321	# # # # # # # # # # # # # # # # # # #	55	322	£ + + + + + + + + + + + + + + + + + + +	4	372
323	HE OF	1	324	+4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +	27	325	HC OH HC OH	3	
326	Hit of Hit of	51	327	HC Of	O	328	HC OT HC OT	33	



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HC OH	AHT STYTE

								1
329	HC OI, HC OI,	31	330	HE OF	10	331	HC 04,	49
332	HC OF	1	333	Hic or's	28	334	44 + 45 + 45 + 45 + 45 + 45 + 45 + 45 +	34
335	Ht. of Ht. of Ht. of	2	336	HE OF	57	337	HC ON HC ON	6
338	HC HC ON	26	339	Ht of	17	340	44 + 45 of	28





341	HC O4,	20	342	He of	45	343	HC OF	33
344	#\$ #\$ \$\display \tag{\frac{1}{2}} \tag{\frac{1}{	57	345	HC OI,	40	346	+4, of	-14
347	Hit Or's	2	348	\$ \\ \frac{1}{2} \\ \	49	349	\$\frac{\xi}{2}\fra	47
350	HG O4 O4 O4	10	351	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24	352		51



Attorney Docker	397 No: 0059-01-US
13	\$ 550 T 5 ROY
- 12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

353	the of	-4	354	Het of	-5	355	HE OF	20
356	HC O'	17	357	44 + 45 + 45 + 45 + 45 + 45 + 45 + 45 +	-2	358	HC O4,	9
359	£ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £	55	360	\$ \\ \partial \	4	361	HC OT,	4
362	£ £ £ £	1	363	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	14	364	HC Of	21



	·•							
365	HE OF	47	366	HC Or, HC Or,	37	367	H4 44 64 64 64 64 64 64 64 64 64 64 64 64	15
368	#E OF	56	369	F. F	11	370	HC OH	37
371	HC HC OI	55	372	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1	373	HG 05°	19
374	HC OH HC OH	13	375	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	16	376	F. F	50



USSN 09/76	33,216						Attorney Docket	No. 0059-01	P
377	Hr of	39	378	HC O1	-4	379	He of	230; 9 230, 9 4	3145H
380	Hit Of Hit Of	29	381	HC OH HC OH	34	382	HC OIL	8	
383	HC 04	7	384	4c 04,	21	385	HE OF	41	
386	HC OH HC OH	27	387	HC Of Of	52	388	HC Of	30	



USSN 09776	3 3.216						Attorney Docket	N6, 0059-81	9/0/
389	HE OF	3	390	HE OF	55	391	HC OI, OI, HC OI, HC OI,	48	The HATTER
392	HE OF	0	393	HE OF	44	394	HC 04, HC 04, HC 04,	57	
395	CO N HE ON HE ON	40	396	He of	55	397	HC OH, HC OH, HC OH,	43	
390	H _C O ₄	44	399	Hic of	41				



COMPOUND	MOLSTRUCTURE	S%R 1 uM hGnRHR	COMPOUND	MOLSTRUCTURE	S%R 1 uM hGnRHR	COMPOUND	MOLSTRUCTURE	S%R 1 uM hGnRHR
400	HC 04	28	401	NE OF	32	402	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	18
403	is Hit of Hit of	44	404	the of	13	405	# ** ** ** ** ** ** ** ** ** ** ** ** **	40
406	HC OI	30	407	HC HC OI,	20	408	HE ON HE ON	16
409	HE HE OF	32	410	HE OIL	21	411	HC O4,	28



412	HC OH	49	413	HC Or's	16	414	Ht. Of	10
415	# # of # of	18	416	AC OI	34	417	HE OF	20
418		42	419	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	36	420	4 + + + + + + + + + + + + + + + + + + +	28
421		48	422	# # # # # # # # # # # # # # # # # # #	34	423	## ## of	49



424	HE OL	31	425		42	426	HC OI	30
427	14° 04'	20	428	\$\frac{2}{5}\frac{2}\frac{2}{5}\f	46	429	Hr. 04	40
430	# ***	55	431	£ £ £	47	432	\$ 2 0 5 °	42
433	AC OF	54	434	£ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6	435	#	12



436	## of ## of	- 58	437	HC ON	40	438		7
439	145 Or	23	440	HE OF	22	441	HC 04	17
442	14 of	50	443		19	444	HC OI,	32
445	### ### ### ### ### ### #### #########	22	446	HE OF	55	447	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	18



•								
448	HE OL HE OL	46	449	B S S S S S S S S S S S S S S S S S S S	42	450	**************************************	6
451	HC OI	24	452	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	55	453	44 45 45 45 45 45 45 45 45 45 45 45 45 4	50
454	## ## 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5°	36	455	0	58			



COMPOUND	MOLSTRUCTURE	S%R 10 uM mGnRHR	COMPOUND	MOLSTRUCTURE	S%R 10 uM mGnRHR	COMPOUND	MOLSTRUCTURE	S%R 10 uM mGnRHR
456	HC QI, QI,	-12	457	45 H2 O4	-3	458	HE CAL	29
459	HE OF	53	460	HE ON	-4	461		53
462	HE OIL	О	463	HC OH	-5	464	HC OIL	7
465	HC O4	32	466		30	467	HE ON	-1



468		-10	469		-9	470	14 Oc.	6
471	Het He of	4	472	£	42	473		-14
474	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	39	475	H _C Ot,	-3	476	HC CA	20
477		47	478	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3	479	HG CH HG CH	-3



480	NE OL CL	-2	481	HE ON	5	482	and of the of	34
483	+4 +4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10	484		-1	485	\$ \\ \frac{5}{4}	-5
486	## O.	33	487		3	488	\$ \$\frac{1}{2} \\ \frac{1}{2} \\ \fr	-3
489	He at	-1	490	H.C. CH., H.C. C	4	491		9



492	HE ON	-7	493	HC CH, HC	-6	494	HC CH'	-7
495	HE OF	4	496	HC O's	-6	497	HC 04,	2
498	HC ON	58	499	The of	1	500	14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -	٠,4
501	HC ON HC ON	Ą	502	45 of	-2	503	HC OF	-3



	••							
504		46	505	NE OIL	7	506	HE OF	3
507	HC 04	4	508	HC OI	7	509	HE OF	16
510	# # # # # # # # # # # # # # # # # # #	23	511	HC CH, HC	47	512	## of ## of	51
513	H. H. C.	9	514	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2	515	HE OF	11



516	# # a,	21	517	HE OF	34	518	The sale of the sa	56
519	HC OI	0	520	HE OF	-3	521	HC CH,	51
522	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9	523	+4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +	-4	524	## af	35
525	HE CO.	-9	526	HC OL	9	527		10



528	NE OIL	22	529		-3	530	NG OK	-4
531	44 45 4 45 4 45 4 45 4 45 4 45 4 45 4	4	532	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	12	533	## of of ## of	29
534	# # # C	9	535	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43	536	## ## ## ## ## ## ## ## ## ## ## ## ##	38
537	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	32	538	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	17	539	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	19



540	## O4	0	541	HC OF	9	542	H. O.	42
543	######################################	31	544	\$\frac{1}{2}\frac{1}{2	27	545	+4 +4 +6	28
546 _.	HC Orlows	29	547	+4++++++++++++++++++++++++++++++++++++	24	548	44 45 5 4 5 5 4 5 5 5 5 5 5 5 5 5 5 5 5	12
549	HC CH'CONM	48	550	Hy dy	3	551	F. S.	21



552	++++++++++++++++++++++++++++++++++++++	58	553	H.C. CH,	34	554	HC CH's	27
555	H ₂ C CH ₃	21	556	+t. 24	10	557	## A A A A A A A A A A A A A A A A A A	10
558	H _C CH ₃ H _C CH ₃	24	559	HC OH,	26	560	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7
561	HC 04	0	562	Hic or	30	563	HG OH,	13



564	HC Of HC Of	45	565	H.C. CH ₉ OH ₉ H.C. CH ₉ OH ₉ H.C. CH ₉	48	566	Ht. Of.	3
567	HG OIL HG	-1.	568	+4- +4- +4- +4- +4- +4- +4- +4- +4- +4-	28	569	HC CH A	58
570	140 Co.	48	571	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	36	572	F. F	41
573	H.C. O.I.	37	574	HC ON HC ON	13	575	\$\frac{1}{2}\frac{1}{2	જ



576	HC OI, OI, HC OI,	15	577	Hr. or	30	578	HC ON HC ON	17
579	Ht of of	10	580	HC O4 HC O4	18	581	H _C COH, H _C COH, H _C COH,	43
582	HC CH CH	-2	583	Hg 04	-3	584	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	15
585		52	586	5	57	587	\$\frac{\xi}{2}\tau_2\tau_3\tau_5\tau	29



588	HE ON	4	589	HE ON	35	590	4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	-2
591	HC C Cohenu	48	592	HC Or's	17	593	HC OH, HC OH,	2
594	HC HC OI,	16	595	\$ \$\frac{1}{2} \frac{1}{2} \fr	24	596	HC OHOMEN	-1
597	+c +	11	598		4	599	45 45 45 45 45 45 45 45 45 45 45 45 45 4	28



600	Ht or	4	601	HC Or's	17	602	Hc ot 4	44
603	H.C. OH,	4	604	H.C. CH, H,C. CH,	4	605	HC ON NO	19
606	HC OH	32	607	H _C d _y	-2	608	H _s C CH _s H _s C CH _s H _s C CH _s	8
609	H ₁ C Ot ₀	47	610	The state of the s	0	611	# # # # # # # # # # # # # # # # # # #	11



612	#c o4	9	613	H.C. Od,	53	614	HC ON HC ON HC	48
615	44 44 44 44 44 44 44 44 44 44 44 44 44	7	616	HC OH	29	617	5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5	-2
618		9	619	HC Or	5	620	H; G,	3
621	HE OH, OH, OHINI	43	622	H.C. OH,	43	623	## ## B	2



624	Ht of Ht of	8	625	HC OI, HC OI, HC OI,	8	626	HC CH, HC CH,	10
627	HC CH, HC CH,	-6	628	HC CH, CH, CH, CH, CH, CH, CH, CH, CH, C	35	629	\$\frac{1}{2}\frac{1}{2	17
630	######################################	58	631		43	632	++++++++++++++++++++++++++++++++++++++	21
633	4	10	634	H _G C OH, CH, CH, CH, CH, CH, CH, CH, CH, CH, C	1	635	HC CH ₅ CH ₆ CH ₆ CH ₆ CH ₆ CH ₆	27



636	HC CH,	17	637	Hc of Hc of	55	638	#\$ of #\$ of	53
639	HC ON HC ON	57	640	#¢ #¢ #¢ #¢	2	641	44 44 44 44 44 44 44 44 44 44 44 44 44	23
642	HE OF	19	643	HC OI	23	644	HE OF	22
645	()	51	646		0	647		35



648	HC Of	4	649	Hot Coil	28	650	Ht of Ht of	4
651	HC O4 O4	15	652	HC 04	19	653	HC 04 HC 04	ó
654	\$\frac{1}{2}\frac{1}{2	34	655	H _C CH ₄ H _C CH ₄ H _C CH ₄	2	656		52
657	H ₂ C Ot,	3	658		35	659	++++++++++++++++++++++++++++++++++++++	-2



660	HC OI, HC	4	661	Hus out	41	662	HC 04, HC 04, HC 04,	3
663	#\$ #\$ a4	25	664	+c of +c of	1	665	## ## of	12
666	+th -th -th -th -th -th -th -th -th -th -	24	667	F. F	39	668	HC OF	6
669	***************************************	-3	670		16	671	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	12



672	HC OH	23	673	HC OH,	2	674	HE ON	10
675	HC O4 HC O4	, 5	676	HE CH	4	677	HE OF OF	54
678	\$ \\ \frac{1}{2} \\ \	17	679	+4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +	1	680	H _G CH ₃ C	0
681	H;c d,	6	682	H. H. D. O. V.	59	683	HC Orlowing HC Orlowing HC Orlowing	23



684	45 of 1	2	685	#\$ of #\$ of	19	686	H _c OH,	. 37
687	### ### ### ### ### ##################	7	688	HC O4 A HC	0	689	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	34
690	# # # # # # # # # # # # # # # # # # #	25	691	HC CT	7	692	£ 2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-2
693	#\$-0-0-4" ####################################	55	694	£ + + + + + + + + + + + + + + + + + + +	11	695	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	35



696	HE OF	21	697	Hic Or's	1	698	HC C4 C4	59
699	H.C. OH, others	-1	700	HC OH, OH, OH,	30	701	#\$\frac{1}{1} \text{P} P	-1
702	\$ \\ \frac{5}{2} \\ \	28	703	HC Of	5	704	HC Of HC Of	4
705		23	706	HC Odchira	3	707	H; Cd,	0



708	H. P.	4	709	Ht or	15	710	HC OH,	4
711	Charles of the state of the sta	2	712	H ² C O ²	1	713	## A A A A A A A A A A A A A A A A A A	2
714	4¢ of 4¢ of 4¢ of 6	52	715	HC CH, HC CH, HC CH,	.1	716	HC ON	35
717	#5 PF	19	718		34	719		28



720	the of the of	٦	721	1, 1, 0, 1, 1, 0, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	2	722	H ₂ C CH ₃ H ₂ C CH ₃ H ₂ C CH ₃	12
723		20	724	+4++4+	6	725	His of His of	-1
726	-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	11	727	HC OF	3	728	H ₂ C Ot,	0
729	+\$\frac{1}{2}\frac{1}{	2	730	Hit Ortains	8	731	5 + 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	37



732	HC OH,	28	733	HC OH,	42	734	Hr. or,	28
735	HC OLDANA	-1	736	HE OF	37	737		36
738	the ext	16	739	HC Or?	42	740	HG GR	15
741	HC OI OO OO OI	11	742	Hit of Hit of	5	743	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	O



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744	Ht. o.i.	0	745	HE OF	58	746	HE ON	25
747	H _C Ot,	10	748	HC OI, OI,	12	749	HC OI	17
750	+c +c +c c +	34	751	HC OH,	4	752	HC OH'CUMAN	27
753	HC OI	1	754		37	755	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2



756	HC 04	38	757	Hit or's	1	758	HE ON HE ON	9
759	## ## ## ## ## ## ## ## ## ## ## ## ##	21	760	# # # # # # # # # # # # # # # # # # #	10	761	HC 04	12
762	5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3	763	4°C 5°C 5°C 5°C 5°C 5°C 5°C 5°C 5°C 5°C 5	5	764	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	18
765	HC CH	15	766	HC Of	6	767	HC Orleans	42



768	HE OF	3	769	HC OI	2	770	HC OT	3
771	HC 24 42 44 44 44 44 44 44 44 44 44 44 44	0	772	Hr at	-4	773	HC OHONINA HC OH,	3
774	\$\frac{\tau}{\tau} \frac{\tau}{\tau} \frac{\tau}	3	775	H _C CH _C C	38	776	44 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3
777	#\$ d,	31	778	HE OF	6	779	4,C 04, 4,C 04	2



780	## Od	1	781	HC OI	44	782	HC OH,	15
783	HC Or's HC Or's HC Or's HC Or's	25	784	HC 04	31	785	\$\tag{\frac{5}{2}}	9
786	HC OI	34	787	\$ \$\\ \frac{1}{2} \\	-3	788	the at	6
789	HC OI	14	790	HE OH,	0	791	Hc at	29



792	Ht of	5	793	His of His of	13	794	HC Orb	0
795	++++++++++++++++++++++++++++++++++++++	O	796	HC COL	19	797	+ + + + + + + + + + + + + + + + + + +	-1
798	HC Of	29	799	HG H	42	800	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1
801	H ₂ C CH ₂ Chind H ₃ C CH ₃	31	802	H _G CH ₃	31	803	\$\frac{1}{2} \frac{1}{2} \frac	54



804	HE OH,	. 5	805	HC OI HC OI	51	806	H,C O4, H,C O4,	10
807	Hc of Hc of	39	808	H ₂ C CH ₃ H ₂ C CH ₃	9	809	HC CH,	38
810	44 45 45 45 45 45 45 45 45 45 45 45 45 4	O	871	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	57	812	HC 24,	10
813	H\$ 04, 04, 04, 04, 04, 04, 04, 04, 04, 04,	-2	814	H ₂ C OH ₃	6	815	H ₃ C CH ₃ H ₃ C CH ₃	9



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816	HE OF	29	817	HC CH, CH, CH, CH, CH, CH, CH, CH, CH, C	7	818	## of ## of	50
819	Ht of Ht of	-2	820	H ₂ CH ₄ H ₂ CH ₄ H ₃ CH ₄	-2	821	HC OH	7
822	## ad ## ad	0	823	H _C CH ₉	33	824	HC CH, HC CH,	6
825	H ^c CH,	26	826	HE CH	53	827	HC CH, HC CH, HC CH,	1



828	Hr or	56	829		4	830	HC OI, HC OI,	38
831	H. C.	27	832	£ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £	2	833	FF F5 05	26
834	H _C OH,	О	835	H,C, D, S	36			



MOLSTRUCTURE	@ 1 uM	Repeats @1uM hGnRH	MOLSTRUCTURE	% Inhib. @ 1uM hGnRH	Repeats @1uM hGnRH	MOLSTRUCTURE	@ 1uM	Repeats @1uM hGnRH
HE OF OF	40	49	H. H. D. C.	57	58	4c 4 4c	86	93
HC OH HC OH	26	26	HC Od, HC Od, HC Od,	20	24	Hr of	15	15
HC HF ON	27	31	HC OF	62	67	HE OI	50	62
HE OF	-7	0	++++++++++++++++++++++++++++++++++++++	63	69	HC ON	-21	-26



HE ON HE ON	38	41	HC HC ON	86	90	Hc Hc Ol	52	54
HC OH, HC OH, HC OH,	75	92	## ## ## ## ## ## ## ## ## ## ## ## ##	47	52	HC OI	49	50
HC OH, HC OH, HC OH,	60	62	Hg O4	23	36	HE OF	11	6
HC O4 HC O4	16	23		-29	-31	HC CH, HC CH, HC CH,	67	70



HC OH, HC OH, HC OH,	-27	-29		13	8		-25	-25
H. C. H. C. C. H. C.	-36	-37	## P P P P P P P P P P P P P P P P P P	13	33		-10	-8
Hr at	31	45	H2	-13	-9	#\$ of #\$ of	102	107
HE OIL OIL OIL OIL OIL	-21	-36	HC CH, CH, CH, CH, CH, CH, CH, CH, CH, C	59	66	HC HC ON	78	81



HC OF	87	92	### ### ### ### ### ### ### ### ### ##	-29	-30	HE OIL OLD OIL CORN	-17	-29
HE ON,	44	45	**************************************	57	64	HC OH HC OH	18	9
HE OH,	-21	-23	44 45 5 6 6 F	33	89	H _C O ₁	-12	-9
HC OI	83	86	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	63	64	#\$ #\$ &# &# &# &# &# &# &# &# &# &# &# &# &#</td><td>66</td><td>76</td></tr></tbody></table>		



••								
HE OF	83	84	HE OF	24	35	Ht of	-22	-25
	-34	-38		-4	2	HC 04,	55	60
## ## at	22	28	\$\frac{5}{2}\frac{5}{2	80	90	H. C.	-14	-5
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-20	-26		22	25		-12	0



HC 04	35	35	HE ON	-17	-31	+++ of +++ of +++ of ++++ of ++++++++++	-2	4
HC HC OI	-11	-8	\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	32	44	HC 04,	-5	0
Ht of	-1	-9	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-21	-5	HC COL	17	25
HC OF	11	13	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	27	38	HE ON	84	89



Hr. or'	35	42	Ht of	-3	8	Ht or	32	36
HC OI	71	76		100	101	H.C. C. Colombia	-16	-2
HC ON	51	56	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	21	23	44 44 44 44 44 44 44 44 44 44 44 44 44	30	44
	-6	-7		85	85	Hit of	101	99



HE OI	44	49	HE 01	18	22	HC A A A A A A A A A A A A A A A A A A A	26	87
H. H. G. G. S. H. G. H. G. S. H. G. H. G. S. H. G. S. H. G. H.	79	91		-12	14	H.C. CHJOHNII H.C. CHJ	-1	12
HC O'S	69	74	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	67	69	the state of the s	-2	3
HC HC ON	82	85	+4+ +4+ +4+ +4+ +4+ +4+ +4+ +4+ +4+ +4+	-6	2	HC Offsam	56	57



HC Orthony HC Orthony	-11	-8	HC O4 O4	-7	4	HE OF	16	3
Hit ar'	13	19	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-7	-7	HG OF HG OF	86	88
Hic or	59	60	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	70	72	H _C CH _C C	17	26
HC CH*	15	26	######################################	19	25	H.C. CH _s CH _s H.C. CH _s Constitution H.C. CH _s	-7	4



HC Orlows HC Orlows	-11	-9	HC OF	-10	-6	HC OHOMAN	20	23
H ₂ C CH ₂ Chinal H ₃ C CH ₃ H ₄ C CH ₃	-11	24	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	79	82	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	81	89
HC Or	68	68	\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	-1	6	5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	76	83
HC ON HC ON HC ON	-10	13	44 44 54 54 54 54 54 54 54 54 54 54 54 5	69	75	H.C. H.C. H.C. A.C. A.C. A.C. A.C. A.C.	48	55



HC OH, HC OH,	84	86	H¢ Ot,	89	92	Ht or	82	85
HE ON HE ON	1	41	HC OCY	ર	2	HE ON	62	69
of the of	77	84	F. F	55	63	HC OI, HC OI,	-11	-7
HC ON HC ON	-20	-30	4 4 4 4 5 4 5 4 5 4 5 4 5 4 5 6 5 6 5 6	-4	0	H ² C + H ² C	10	2



HE OL	-7	15	## ## ## ## ## ## ## ## ## ## ## ## ##	-7	9	Hr at	-10	-5
He or He or	-12	-9	**************************************	31	42	HE ON	61	70
HC 04	-23	Ф	HC OL	17	28	HC OI,	72	72
HC OP	51	54	5 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	35	36	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	61	71



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HC ON,	-6	6	44 45 a	-18	-7	HE OF	-25	3
HC ON	-2	3	# # # # # # # # # # # # # # # # # # #	-4	1	HC OL	. 15	16
HC at	14	27	H _G C OH _g OH _g Chland	-3	-5	4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	38	45
HC OH, HC OH, HC OH,	52	52	\$ \\ \frac{4}{5} \\ \	68	71	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	19	29



HC at	53	64	Hr. or	15	21	HC OI, HC OI,	69	71
## O.	78	84	HT Of Orland	17	20	HC CH,	53	58
HC OI, HC OI,	-4	-7	#4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #	-14	-6	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	40	41
HC CH, CH, CH,	-22	9	++++++++++++++++++++++++++++++++++++++	-20	-7	HC OI	-24	9



HE OF	-18	6	HE ON	24	3	HC HC OI	58	63
HC OL,	44	48	+£ 0, +£ 0,	49	58	He or	16	32
HE OH CHIN	-6	0	Hr of	26	34	HC CH, HC CH,	-40	17
HC ON HC ON	-6	16	2 ~ 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 &	55	61	HE OIL OIL	-18	5



14° 04	-10	-15	HC OH'	-11	-29	H. C.	-20	-21
HC ON	-16	-29	**************************************	-4	-7	HC OI,	-19	-22
Hr. or	-4	11	HE OF	3	7	14C O4	-15	-20
Hic or	-5	62	5 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-10	-9	44 44 44 44 44 44 44 44 44 44 44 44 44	11	16



••								
HC OI	-12	-6	Http de	15	19	HC HC OI	16	24
HC OI	-11	-5	45 04	42	53	HE OIL	93	95
HC ON HC ON	87	90	es de la companya de	-11	-17	+4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +	-1	-7
HC O4 HC O4	1	1	2	42	44		2	21



Hr. or	59	62	Hr at	93	95	HC OI, HC N	10	9
HC 04	7	9	## 44 44 44 44 44 44 44 44 44 44 44 44 4	11	15	Hg dq	-22	-4
Hit of	-5	6	2°°2°	76	79	H.C. O.	-5	8
HC CH,	-10	٠	# # # # # # # # # # # # # # # # # # #	77	79	+4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +	81	85



HE ON HE ON	48	52	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	29	32	HE OF	81	82
HC HC OI	68	69	45 A A A A A A A A A A A A A A A A A A A	74	81	44 of	45	45
HC OH, HC OH,	28	35	\$ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	20	28	HC OI, HC OI, HC OI, HC OI,	13	7
HE ON HE ON	14	20	#C 04	14	21	HC COL	-12	1



HE OF	38	39	HC OI OI OI	15	17	HE ON HE ON	21	22
HC of Hc of	28	45	FF 50 5 5 10 10 10 10 10 10 10 10 10 10 10 10 10	20	22	H.C. O'Crainal H.C. O'Crainal H.C. O'Crainal	16	7
HC CH ₃ Chland HC CH ₃ CHland	-2	9	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2	4	45 H5	27	48
HC OH HC OH	-26	11	H. Or others	10	2	HC OT	17	23



HC OI, HC OI, OI	-1	-3	H. O.	12	8	HE ON	-8	3
HE OF	78	85	+ + + + + + + + + + + + + + + + + + +	-2	6	HC OT	54	54
HC OI	57	60	+¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +	94	96	He of	16	22
HE OF	-10	-3	44 45 54 54 54 54 54 54 54 54 54 54 54 5	-6	14	H ₂ C CH ₂ Phinal	-17	-27



HE OF OH	-13	-5	Hyc Od Od Chiral	-10	-15	GEN, O	75	77
HC ON ON NO	-10	-13	1	43	48	HC OF	49	52
HC OI,	62	68	# # # # # # # # # # # # # # # # # # #	12	14	HC Offeren	-2	6
H _s C CH _s	41	44	5 4 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	25	28	H ₂ C Olichiral H ₂ C Oli H ₂ C Oli	-12	-9





MOLSTRUCTURE	% inhib. @10uM mGnRH	MOLSTRUCTURE	% inhib. @10uM mGnRH	MOLSTRUCTURE	% inhib. @10uM mGnRH
HC O4	82	HC ON	103	HC C-LCTONIAN	101
HE OIL	100	HC ON HC ON	89		80
HC OH,	93	He ou	85	HE OF	96
HC 04	83	HC 04 HC 04	63	HE OF	63
HE ON	46	HC OI	71	HC Of	104



HE OF	65	HE ON	94	HE OI C	21
HE OF	84	HC of	100	## 04 HP 04	66
the of	99	NE OIL	9		89
HE OL	102	+++++++++++++++++++++++++++++++++++++++	86	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	82
He of He of	101	HC 04	63	Hr. or	59



HC OI, HC OI,	26	HC ON HC ON	14	HE HE ON	91
HC ON HC ON	93	HC 04 HC 04 HC 04	65	HC O4	73
HC Or's	96	8° 4 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4°	66	HC 04,	89
HC 04,	73	HE OF	22	HC Or	100
HE OI	97	HE ON 1	79	HE OF OF OF HE	100



14 Oct.	79	He of	95	the or	\$
HE ON	73	HC OI, HC OI, HC N	97	HC OIL HC OIL OIL	58
HC Orl	34	the of	43	HC Or's	74
HC OH	91	HE OI,	66	44 45 65 65 65 65 65 65 65 65 65 65 65 65 65	100
HC Of	97	HC Of	100	44 44 44 44 44 44 44 44 44 44 44 44 44	102



HE OF OF	23	HC ON	72	HC OI, HC	86
H\$ H\$ d,	75	**************************************	99	Ho / of Ho of Ho of	89
HE OF	75	H.C. OH, H.C. OH,	41	+c +	77
HE OF	98	HC O4		£ + + + + + + + + + + + + + + + + + + +	
HC CHISTONIAN HC CHISTONIAN HC CHISTONIAN HC CHISTONIAN	101	HC OIL OCO OCOIL	90	+ + + + + + + + + + + + + + + + + + +	91



O O O O O O O O O O O O O O O O O O O	64	HC O4	97	HE ON	94
HC Of	22	HC Of HC Octon	98	HC Q4	49
HC CH, HC CH, HC CH,	88	HE OF OF	98	HE OF	64
HC OF HC OF	25	HC OI, OI, N	88	8	8
HC OI, HC OI, HC OI, HC OI,	-23	H ₂ C OH ₃ Chinal H ₃ C OH ₃	12	HC ON HC ON	89



HC O1, O1	છ	HC O4	92	the or	72
Hr of	40	H ₂ C O ₂	49	45 45 Od Od Od	44
HC HC OH,	51	\$ \\ \frac{1}{2} \\ \	4	HG ON,	16
HC at	9	+4 +5 of	98	HC OH	94
HC Or's	67	H.C. O., H.C. H.C. H.C. H.C. H.C. H.C. H.C. H.C.	26	Ht ar	71



Ht at	28	HE OU, HE OU, HE OU,	90	Ht of Ht of	103
HC OH, HC OH, HC OH,	95	44 +45 of	73	So S	96
HC O4 HC O4	101	45 45 45 45 45 45 45 45 45 45 45 45 45 4	98		103
Ht or's	95	HC ON HC ON	58	HC CH, HC CH,	90
Hit of the of	8	HC CH,	103	#\$ #\$ of	75



HC Or's	98	HE OIL	82	H ₄ C Oth	104
HC Oth HC Oth	100	2 4 4 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	94	#\$\frac{4}{4}\frac{4}{5}\frac{4}{	88
HC OI,	88	H ₂ C OH,	61	#\$ a*	102
H; OH,	17	H ₂ CH ₃	47	HE CH,	74
H.C. O.Y.	86	HC Official HC Of	97	HC CHICHINA HC CHI	57



#\$ a4	87	HC OH,	100	HC Orlows	70
	5	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	95	HC 24,	94
H ₂ C Ot _a H ₂ C Ot _a H ₃ C Ot _a H ₄ C Ot _a	99	F + F + F + F + F + F + F + F + F + F +	101	\$\frac{\fracc}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fracc}{\frac}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}{\frac{\frac{\frac{\frac{\frac{\frac{\frac}}}}}{\frac}}}}}}}{\frac}}}}}}}{\frac{\frac{\frac{\frac{\fracc}}}}}{\frac{\frac{\frac{\fir}}}}}{\frac{\frac{\frac{\frac{	94
HC OH	97	######################################	86	He of	17
HC OH,	101	HG O4, O4, PG	69	H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃	92



HC CH,	91	H.C. CH, H.C	100	H,C CH,	44
H ₂ C OH, H ₃ C OH,	64	THE TENT OF THE TE	59	HC OHONIMI HC OHONIMI	63
HC 04 HC 04	75	Hit of Hit of	13	HC OH,	81
Hit of or other or ot	46	Ht CH	63	HC OH, HC	72



HC OH, HC OH,	67	## HE OF	%	HC OH HC OH HC OH	31
HC Of	98	HG OH, HG	98	H _y C OH, H _y C OH, H _y C OH,	69
HC OH,	100	HC CH, CH, HC	101	Hit CH's	95
H _C CH, H _C CH, H _C CH,	101	H _C Cd ₃ C	94	45 94 Htc	13



HC OH, HC OH,	63	## ## ## ## ## ## ## ## ## ## ## ## ##	20	HC 04,	%
HC CH, CHEAD	31	HC CH,	36	4c or	89
Hr or	73	5 2 2 2 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4	70	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	43
HC Or's	71	H ₂ C C C C C C C C C C C C C C C C C C C	48	H,C OT, H,C OT	84
H.C. CH.	104	Hic or's	88	E. E	69



Hit of	69	H ₄ C CH ₄	33	H ₂ C OH ₃	79
HC OH	88	Ho	53	HE ON HE ON	83
HC OH, OH	43	H ₂ C CH ₃	99	H ₁ C OH ₃ H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃ H ₅ C	84
HC ON	28	## ## af	83	#\$\frac{1}{4} \text{of}	74
HC OH	53	++++++++++++++++++++++++++++++++++++++	90	H ₂ C CH ₃ H ₂ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₃	55



HC OF	65	HC OI	90	HC OI,	72
HE ON	84	4. C.	56	H ₂ C O ₄ O ₄ O ₅ O ₄ O ₆ O ₇ O ₇ O ₈	72
#\$ 04, 44, 44, 44, 44, 44, 44, 44, 44, 44,	81	H. H. G. S. H. G. H. G. S. H. G. H. G. S. H. G.	73	Hic of Hic of	28
HC ON ON NO	91	HC OH, OH,	52	+4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +	60
H _C O ₁ , O ₁ , O ₂ , O ₃ , O ₄ , O ₅ , O ₇ , O	83	HC O4 HC O4	96	F. F. F. S.	76



HE OH,	104	HE OIL	91	HE 04	100
Hic ort	72	Ht. OH,	98	HC Orlines	76
HC OH	97	H\$ 04, 04, H\$ 04	63	H ₂ C O ₄ H ₃ C O ₄ H ₄ C O ₄	58
HC Ort	35	Ht at Ht atam	101	H.C. CH,	36
HC 40 CH	58	HC Of	91	Hr. or	76



HC OH	80	HC at	74	Ht of Ht of	30
HC OI	87	HC CH'	103	HC OH OH	66
HC HC O4	89	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	97	HE OF THE STATE OF	20
HC OLL C	14	Hit of Hit of	27	HC OF	42



HC OIL	93	HC 04	102	Hit of His of	103
HC OIS OIS F	103	£ £ £ 5 5 5 5	103	£ + + + + + + + + + + + + + + + + + + +	105
HC OH OH	82	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	62	5, 5, 5, 5, 4, 5, 4, 5, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,	59
HC OH, HC OH, HC OH, HC OH, HC	29	H _C CH ₄	67	H ₄ C CH ₃ H ₄ C CH ₃ N N S	101
at the at	73	HC O1, O2, HC O2, O3, HC O2, O4, O4, O4, O4, O4, O4, O4, O4, O4, O4	86	HC H	85



HC Of Chiral		нс сн,		HC ON	
	52	H¢ CH,	73	HE, OH	69
HC O1,	103	He ch	94	H ₂ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₃	98
H _G C CH ₃ H _G C CH ₃ H _G C CH ₃	90		100	+i+ +i+ o+	77
High Hody only	72		49	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	76
HE OF	85	HG OF	46	45 45 45 45 45 45 45 45 45 45 45 45 45 4	92



HE OI OI	37	HC O4 O4 Chira	58	HC-N HC CH,	106
HE ON ON ON	73	++++++++++++++++++++++++++++++++++++++	81	Ht of Ht of	97
+c or	98	HC 04	100	HC Or's	88
HE OH	84	H; C D D D D D D D D D D D D D D D D D D	53	HC CH, HC CH,	72



HE OIL	57	HE OH, OH,	65	HC Oth	83
HC OIL HC OIL	78	HC ON, Chiral	86	\$\frac{1}{2}\frac{1}\frac{1}{2}\f	65
HE OF	89	HC OF	77	4¢ 4¢ 4¢ 4¢ 4¢ 4¢ 4¢ 4¢ 4¢ 4¢ 4¢ 4¢ 4¢ 4	99
HC CH, CH, CH, N	101	H _C OH, H _C OH, H _C OH,	23	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	34
HC CH, HC CH,	84	HC OH	46	HC OH,	79



H¢ ch'	82	HC OI	102	HC OH, HC OH, HC OH, HC OH,	76
Hg of,	99	HC O19 CH	100	HC CH, HC CH, HC CH, HC CH, HC CH,	90
HC OH,	103	HG CH, HG CH,	21	+4, +4, +4, +4, +4, +4, +4, +4, +4, +4,	43
H¢ cH,	25	H ₂ C CH ₃	50	HC OF	
H ₄ C CH ₄	31	HC CH,	61		91



His of	94	## Or ## Or	91	Hr. or	91
HE ON	98	Ht of of	57	#c of #c of	48
HC ON	101	F. S.	95	HC 04, 04, 04, 04, 04, 04, 04, 04, 04, 04,	104
HC Orl	95	F + + + + + + + + + + + + + + + + + + +	28		42



	47	HC OH, HC	39	HC OH, HC OH, HC OH,	93
HC OH HC OH	79.	HC CHONINA HC CHO	44	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	65
HC OH, HC OH, HC OH,	66	H ₉ C CH ₉ CH ₉ PF	60	H ₂ C CH ₃ H ₃ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₄ H ₄ C	37



	1	T			·
HC ON HC ON HC ON HC ON HC	105	HC O-GPatrial HC O-GPatrial HC O-GPatrial HC O-GPatrial	77	HE OIL	52
H ₁ C OH, H ₂ C OH,	96	HC OH HC OH	92	£ £ £ 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	90
HC Orl	8	HC OH, HC OH,	97	Hy by	99
HC OH, HC OH,	97	H ₃ C OH ₃ H ₃ C OH ₃ OH ₃	103	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	104
H _C Cd ₃	99				



MOLSTRUCTURE	% Inhib.@ 10uM hGnRH	Repeats @ 10uM hGnRH
HC CH ₀	-25	-25
H ₃ C CH ₃	-15	-20
H ₃ C CH ₃ H ₃ C CH ₃	-17	-28
H ₃ C CH ₃ CH ₃ O N CH ₃ O N CH ₃ O N CH ₃ O	-4	-4
H ₃ C CH ₃ H ₃ C CH ₃	-10	-5



MOLSTRUCTURE	MOLSTRUCTURE	MOLSTRUCTURE
HC OIS	H ₂ CH ₃ H ₃ CH ₄ H ₄ CH ₄ H ₅ CH ₅ H ₅ H ₅ CH ₅ H ₅ C	#\$\frac{\dagger}{\dagger}\dagger\dagg
	HC CH'S CH'S CH'S CH'S CH'S CH'S CH'S CH	HC ON HC ON
HC CH, HC	5 5 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	9 Htt. 94
Hichay Hichay	ay FF F F F F F F F F F F F F F F F F F	HC





a he he at	Hichory Orly	HC COS HC COS
His Cot N	HC OI	Hc + 01
He of		HC As
CH ₉ CH	HC CH, HC CH, HC CH,	HENOUS HE OS HE OS



HE OF	HC Od Od HC Od HC Od	
HC OI	HC OH, OH, OH	HG 04,
HC OH, HC OH, HC OH,	HC CA	
HC ON	HC	HICH CH, HIC



HC CH, CH,	HE CH	He of the of the off
HC OH, HC OH,	Hys Cos, Os, Os, Os, Os, Os, Os, Os, Os, Os, O	HG + G1, HG + G1, HG + G1,
HC CH CH	HC OIS	
HC OH, HC OH,	HC CH	HC CH C



HC COS	HC COL	HC + COI, HC + COI, HC + COI,
HC COI	Ho or	HC N Od
CC OH, CCI OH,	HC COL	HC + CH, HC
HC CH C	HC COL	BL CS N HC OH OH OH OH



HC, N	HC OH HC OH	HC + Cot .
HC COL		Hy dy dy
HC COL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
HC CH _s HC CH _s HC CH _s	Hyc of the state o	



HC OH HC OH	HE CON	HC ON ON
HC AH HC AH	+f + ot	HC CAS HO CAS
HG OI,	H ₂ C + CH ₃ H ₃ C + CH ₃ H ₄ C + CH ₃	
HC COS OS	HC COS HC COS	HO CAS NO HE COS OS



Hack of the control o	HC COS	HC OI, HC OI, OI,
HC Ods	HC Q CH,	#\$ Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q
HQ-0 CH, N N 0		
HC Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	HC COL	3. S.



HC-O CON CON	HE Q Q Q S	Her a cos
HC O O'		HC Q OH
HC N C C C C C C C C C C C C C C C C C C	\$\frac{z}{2}	Her and
HE COL	HE COOK	HE O OH,



HC Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	Pt,	HE O CON
HCO HCO	Ho or or	HE OH OH
HCO ON OH	## O O O O O O O O O O O O O O O O O O	HC
HO O O O O	HC 4 04,	H\$1° 000



	HC Od HC Od	HE OF SHE
HC COOL	HG OH OH	HE COLL
He He Gay	HC O OT	HC CL COL
HC a of	HE O ONS	HC Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q





HC CON	HCOO CONTACT OF THE C	45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
BE CONTROL PRINCE ON ON ONE		HC Q Q Q Q A
HE OF OUT	HC CA	HC-0 CH C
44-64 44-64	HC CON ON ON	HC - CON



HCO OH	HE O ON O	HE OF THE POST OF
	HOO OF NEW YORK	44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
HC Q Q Q A	4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
He a and	HD ON THE	HE O OS



	HE O	HC Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q
HQ C S N PI Q OI	HC 04	HC C C C C C C C C C C C C C C C C C C
Had and	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HC CT
Hr. 0-4'	HOO	



HC CO	HCO CANO	
The Contract of the Contract o	Hoo of the state o	## **
HO-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-	45 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Her constants	+\$- \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	HO N N N N N N N N N N N N N N N N N N N



HCO COL		
-5°		\$-4-7-9
HE	HC OH	4 C C C C C C C C C C C C C C C C C C C
HQ COL	HC -04	#\$ #\$ #\$ #\$ #\$



HC Col	400 C C C C C C C C C C C C C C C C C C	\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
HC OCA		\$ 200 E
HC ON STATE OF STATE	Har of or	£
HC-0	His of oat	



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HC O	45, of	HE CONTRACTOR OF THE CONTRACTO
HK O OS	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	HE OF STEIN
145 C C C C C C C C C C C C C C C C C C C	HE CON	



HP 2 () 1 (HC THE COL	#\$C \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Ht. of other states of the sta	Hgo 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H.C. COL
++ Co of of other parts of the state of the		Hr. C.
HC N-O4		HC Od



HE-O CALL	HC CA	HE COLO
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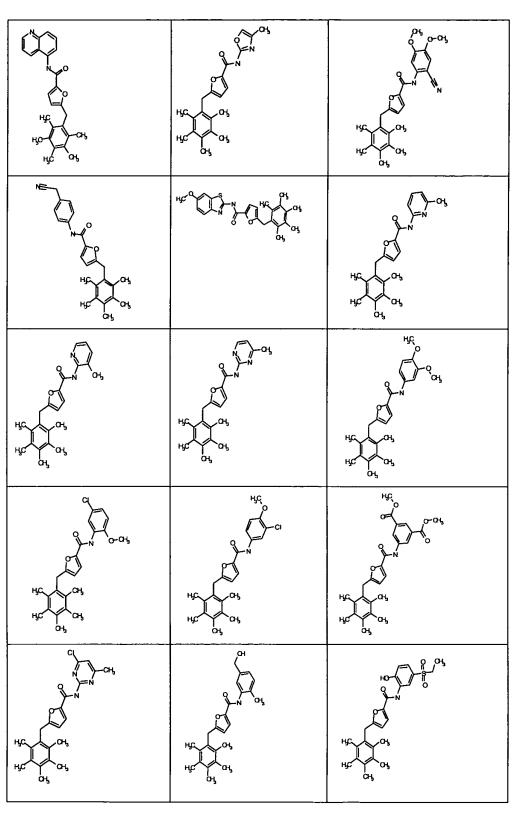


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HC ON ON	HC + O4 HC + O4 HC + O4	H ₂ C + O ₁ , H ₂ C + O ₂ , H ₃ C + O ₃ , H ₄ C + O ₃ ,
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HC OH	HC OH, HC OH,	HE COL
HC ON	HC Od HC Od	
HC COLS	HC + O4 + O	HEC + OI, HEC + OI, HEC + OI,
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HO HO CH	HC CH, HC	HC COL



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H ₂ C° C Od ₃	4 C-5	
HC CI	\$ 2	HS C S N O O O O O O O O
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HE CI	H. C.	He Coat



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HC Ody	HG	HE OS



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utc of or	H ₂ C + CH ₃ CH ₄	H ₃ C H ₃ C OH ₃ OH ₃ C



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HC OI	HC CON	HC OIS



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HC COL	\$-5°-5°	HC Col
HE OOG	Hr. Cod	H. O.



HC COL	HE CON	HC, C, C
as a code	H2	HC Col
HG.	4¢ 4 0-04	HC OCH OCH OCH
Q, CO4, CO4, CO4, CO4, CO4, CO4, CO4, CO4	4 2 - 2 2 - 2 2 2 2 2 2 2 2 2 2 2 2 2 2	HG - CH
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HC CAL	HC CO-O4	H.C. O C.
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HC 404	HC + C OH, HC + C OH, HC OH,	HC OIS
HC COL	HC ON ON	HC CON
HC OS	HC OI,	HC COL
HC OH	HC OIS	Ho CH,



HC Ods	HS OH	HC COI
HC CO'S INTIN		HE CONTROL OF ONLY
FF	H ₂ C H ₂ C H ₃ C	HC ON ON
H ₂ C or		HC CON
HC OIS	O, O	HC OF



HC CON	45 - O4 -	HC OIS
HC O'S	HC OH,	H.C. Cot,
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HE C S N HE ON	HG CHS	HIC OH,
H ₂ + 04,	H ₂ C O ₁ O ₄ O ₄ O ₄	HC OH,



HC OI,	HE OF HE	
HC OIS	FF	3
H ₂ C + OH ₃		44 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 +
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H2C + O4,	HG COL	Hy Ot
HyC CH ₃	Act of other states of the sta	HC COS
HC OH,	HC CH,	H ₂ C H ₃ C H ₃ C H ₃ C CH ₃



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HC ON N-CH		H ₂ C+ O ₄
HC OOS	HC OH,	H. H
HICHOUS ONS	HG + G + G + G + G + G + G + G + G + G +	45 Cas
HS Orly	HC OH, HC OH	HC COL



HC Cos	H _G N N N N N N N N N N N N N N N N N N N	HE OF OR
HC + Os	HC OH,	H C C C F F
HC + CO,	HC ON O ON	HC O OH

MOLSTRUCTURE	MOLSTRUCTURE	MOLSTRUCTURE
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HE CH,	HE CH,	H,C CH, CH,
No or	Hoo Ho	Pt, HCOI, HCOI,
OH, HIC OH, HIC OH,	H ₂ C CH ₃ CH ₃ Ch ₃ Ch ₄ Ch ₄ Ch ₄ Ch ₄	HC N HC OF
ps Hc as	H ₂ C OH ₃	Ho-Ch Hc at



HC OH, PH, HC OH, HC OH		HC OX OX
The second	He of He or	HC O1 P1
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HC OI, OI,		Hic or
HC OH, OH,	HC OI,	HC HC ON
HC O1 O1 O1	£_0 £_0 £_0 £_0 £_0 £_0 £_0 £_0 £_0 £_0	
Cort Hite Cort	HC OI,	24, HC OH, HC OH,



Pri HC Ori	Pr. Hc or	HE OIS PIS HE OIS HE
Pos HC Os	HC OI, OI, HC OI	He of
H ₂ C OH ₃ OH ₃ Chiral H ₃ C OH ₃ OH ₃ OH ₃ OH ₃	HC OH HC OH	Ho-s
HG OH, PH, HG OH, OH, OH, OH, OH, OH, OH, OH,	Or HE OR	ht of
HC OI, PI, HC OI, PI, HC OI, H	Hic or	
HO-5 HC OH, HC OH,	H.C. OH, Chiral	HC OH, HC OH,



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H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃ H ₄ C OH ₃	Hit or	#\$ #\$ \$\frac{1}{2} \frac{1}{2} \frac{1} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \f



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HC OH, HC OH,	HC OH, HC OH, HC OH,	+4; of +4; of -4;
H.C. CH ₃ OH ₃ OH ₄ OH ₅	HC 04, HC 04, HC 04,	H; H; Od, H; Od,



HE OIS HE OIS HO OIS	HC 04	HC ON HC ON
H _c OH,	H _y C OH _y H _y C OH _y	HC OHONICAL HC OH
H ₂ C O ₄ H ₃ C O ₄ H ₄ C O ₄	H ₂ C OH ₃	HC OH,
HC CH, HC CH, HC CH,	H ₂ C O4 H ₃ C O4	Ht. Or'



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HC Orl	HE OH	H ₂ C CH ₃ CH ₃ CH ₃ CH ₃ CH ₃ H ₂ C OH ₃ CH ₃
Ht. Or's	HC OH, HC	HC CH,



HC CH, CH, CH, CH, CH, CH, CH, CH, CH, C	HC OU, HC OU, HC OU,	HC O1
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HC COL	H _G Other	H _C CH
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HO-N-O'S	HC A CIPAL	HC C C C C C C C C C C C C C C C C C C
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HO SOL	HC COL	HC CH
+p	Ho Con	HG-N-OH
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HE OI	Cheul	145 Cod.
HE 304	HE HE HE	Che
HC COL	HE ON	HC COL
HC CON	Late of the state	Ht. Jan



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He Chart	HC N	HS HS OI
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Hyd on,	CI HO COL, COL, COL, COL, COL, COL, COL, COL	H.C. H.C. COH,

HE ON	HO O S O S	HCO NO SOL
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Ho S Cod	HC SC	HC 2-2-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4
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Her Call	HC CAL	H2
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HD - 24 OH HD - 24 OH	HO CON ON O	HE COL
#c - C #c		Sold Story
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40-104 HD-104	40 + Cat	
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	est of other order of the other	And Cody
+	HC-OH	HC N
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H ₄ C Colonial	HA CHA CHA	HE COL
He Cat o cat	Her Coak	H _I C Craw



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HC OH	HC Cos	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
HCQ+QQI	HE CON	the state of the s
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HE OH	HC CH,	HC CT
HC HC HC	HC Ods	HC OH, OH, OH,
Hyc Co-at, N, at, at,	CH ₃ Chinal Ch ₃ Chinal Ch ₄ Ch ₅ Chinal Ch ₅ Chinal	
H ₂ C + O ₁ C O ₁	H ₂ C + CH ₃	H ₃ C ₁



Ho () () () () () () () () () (Ht. A	H _C + O ₁ O ₁ O ₂ O ₃ O ₄ O ₅
HC COL	HC CH CH	
HC A4	HC COL	HC ON ON
H ₃ C Chiral H ₃ C Chiral	HC CH, CH, CH, CH, CH, CH, CH, CH, CH, C	44



HC OHS	HC HC HC	HC CH,
HC OHS	He contraction of the contractio	HC CH,
H ₂ C + CH ₃ OH ₃	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
HC OH,	HC CH, OCH, OCH, OCH,	H ₂ C + O ₄



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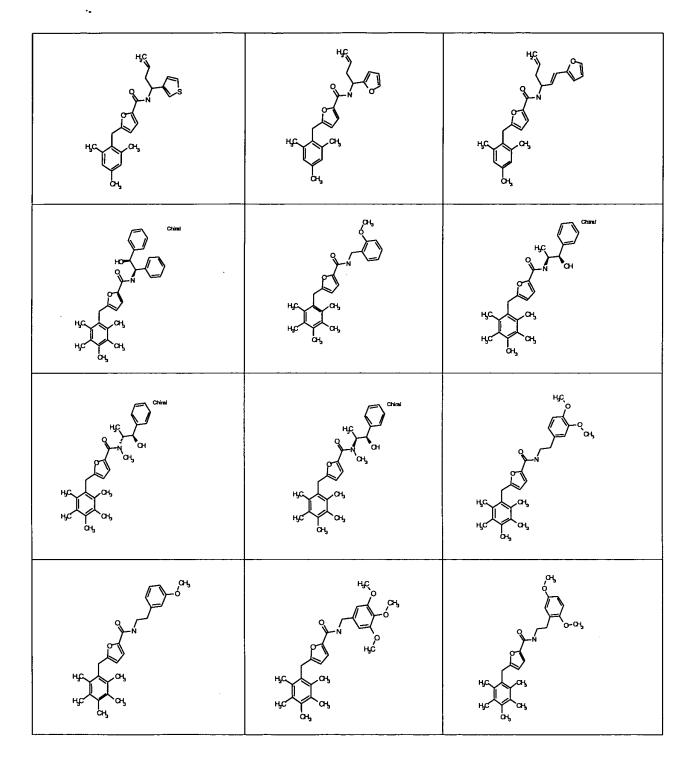


HC COLS	HC As	HC COL
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HC OH,		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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HC ON ON	HC OH, O-OH, OH, OH, OH, OH, OH, OH, OH, OH, OH,	HC ON
H ₂ C, Chiral	HC CHIRAI HC OH, OH,	HC ON HC
	H _C Co ₃ P ₄ Co	HC COLO
HE OHE OH	HC ON	H ₂ C OH ₃







HC OI, HC OI, HC OI,	Hichory Orly	HC Od, HC Od, HC Od,
HC OIS		
H _S C + OH ₃ H _S C OH ₃	H2	HC OHS HC OHS HC OHS
H ₁ C CH ₃	H _C CH _S	Chiral Chiral Chiral HC Chiral Chiral



HC CH3 HC CH3 HC CH3	Hyc cat,	H ₂ C O ₁ S O ₂ S O ₃ S O ₃ S O ₃ S O ₄ S O ₅ S
Hichay Hotay	HC OH O	HC + CH3 HC + CH3 HC + CH3
HIC OH, HIC OH, HIC OH, HIC OH,	HC + O4 + O	H ₂ C O ₄ O ₄ O ₄ O ₄ O ₄
HC Ai HC Ai	High cats High cats	



Hich and	HC OH, HC OH,	HC OH, HC OH, HC OH,
HS CI	H ₃ C + OH ₃	
CH ₄ CH ₅ CH ₆ CH ₆ CH ₆ CH ₆ CH ₇		HC Of Of N
H ₂ C + CH ₃ H ₃ C + CH ₃ CH ₃ C + CH	HC - 04 HC - 04 HC - 04	4, c + c + c + c + c + c + c + c + c + c



H ₂	HS ON	HC - 04 HC - 04 HC - 04
H _S C + O ₄ O ₄ O ₄	HC + O1 HC + O1 O1	45 Cody 45 Cody 45 Cody 64 Cody
	HC + OH, HC + O	HC OH, HC OH, HC OH,
HC OH, OH, OH, OH,	+5 + 04 + 04 + 04 + 04 + 04 + 04 + 04 +	Hy CH,



HC COLS	HC OH,	HC OH, HC OH, OH,
HC COLD	Hy Cots Hy Cots	+4c + c+
HC COLS	H _y C _N -CH _y O N O N O H _y O O O O O O O O O O O O O O O O O O O	
H ₃ C Chiral H ₃ C O-OH ₃ O-OH ₃ H ₃ C OH ₃ O-OH ₃	Hic 2004 Hic 2004 Hic 2004	HC + OI, HC + OI,

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H ₂ C CH ₃ CH	HC O-CH, HC O-C	H _S C H _S C H _S C H _S C O ₄ S
H ₂ C H ₃ C H ₃ C H ₃ C H ₄ C H ₅ C H	H _i C H _i C H _i C H _i C OH _i OH _i C	H _C H _C N H _C OH ₃ H ₃ OH ₄ OH ₅
H _i C H _i C OH, OH, OH, OH,	Chiral Hard and Hard	4,0° 4,0° 6,0° 6,0° 6,0° 6,0° 6,0° 6,0° 6,0° 6
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HC OCA	H _s C Q CH ₃	Hich of other states of the other states of th
He co	His at a ari	Hich ord



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H ₃ C OH ₃ Chiral	Hr. dad	HE OF OF
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HC Q Qq HC PBr	4x 4 5 04 4x 0	Hera Cal
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HC COL	Her and and	HC CPICAL HC CPICAL



HC CHAN	HE ON HE	HE HE O-OH
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HC C C C C C C C C C C C C C C C C C C	HC Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	HC CH3 CH4 CH4 CH4
HO SHIP OIS	H _I C H _I C Chiral	High Chiral Chiral High Chiral



HIC HICK CHIRAL	HIC ON ON	Hic-O
HC N HC OH	HCO HCO OIS OIS	HO-O N HICHORY HICHORY
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HO COL	White of other order	Hit of of of other ordinary of other ordinary of the other ordinary of the other other ordinary of the other ordinary of the other other ordinary of the other ordinary
Hyc Ods Ods Ods Ods Ods	H ₂ C Chiral Chi	Hoo of the contract of the con



Hyc-o N Hyc-ods Ods	Hich Cold	
N Hy Cat, Cat, Cat, Cat, Cat, Cat, Cat, Cat,	Ho C C C C C C C C C C C C C C C C C C C	His Chi
H _g C CH ₃	H\$ CH,	
	HG-0 HG-04 H	
HgC CHiral HgC CH ₃ Chiral	HJC N HJC CH'S	CI HICH CH, CH, CH,



HSC OH	Ho of other	Hyp Cot, Ot, Ot, Ot, Ot, Ot, Ot, Ot, Ot, Ot, O
Hyp- Chy Caty Cat		
H ₂ C N H ₂ C O ₄ O ₄ O ₄	Hich Cat	£, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,
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HG Chiral Chiral Chiral Chiral Chiral	HC O Chira HC O Chira HC O Chira	H _Q C Cots Cots Cots Cots Cots Cots Cots Cot
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HC OH OH OH	Hich or or or	HE ON ON
Hich or or or	Hich of orly	High of or
CH ₃ Chiral H ₂ C - CH ₃	H ₂ -0 N CH ₃ CH	CH ₃ Chiral H ₃ O Chiral H ₃ O Chiral
H ₃ C Chiral H ₃ C Chiral OH ₃	CHiral Chiral Hyo Chiral Chira	HC N HC ON
HC-O HG-O43	He at a at	HC-O HC OH



HG-ON HG-ON ON ON	He at any	Ho or
H ₂ C + C + C + C + C + C + C + C + C + C +	H,C-0, H,C-0, Od, Od,	H ₃ C-O H ₃ H ₃ C-O ₃ H ₃ C-O ₄₃ OH ₃ OH ₃
Hich of His ori	HC HC OH	40 + 40 + 40 + 40 + 40 + 40 + 40 + 40 +
HO CH3 CH3		H ₂ CH ₃ Ch ₁ ral
H ₂ O-O H ₂ O-CH ₃ H ₂ O-O CH ₃ CH ₃ CH ₃	H ₂ O-13 CH ₃ H ₂ O-10 CH ₃ H ₃ O-10 CH ₃	4, of



Hof or,	H _S C O ₄ CO ₅	H,C , , , , , , , , , , , , , , , , , ,
H ₃ C CH ₃ H ₃ C CH ₃ CH ₃ CH ₃	H ₂ C H ₃ CH ₃	H ₂ C CH ₃
H.C. H.C. CH ₉	HC-O HCON	HCO HCO HCO HCO HCO HCO HCCO HCCO HCCO
N	H,CH ₃ Chiral Chiral CH ₃ CH ₃ CH ₃ CH ₃	H ₃ C CH ₃



CI HO OIS	Hg CH3 Hg CH3 OH3 OH3	HC N HC CH,
H ₂ C CH ₃	H ₂ C-O N H ₂ CH ₃ OH ₃ O	H ₃ C CH ₃ H ₃ C CH ₃ CH ₃
H ₂ C+OH ₃ OH ₃ OH ₃	HC N HO CH,	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
HC CH3 HC CH3	Hyo Hyo CHy Hyo CHy CHy CHy	HC HD CH,
HC 04, 04, 04, 04, 04, 04, 04, 04, 04, 04,		H.C. O.L. H.D. CH.S. OH.S. OH.





H _y C, O H _y D CH _y Chtral	HC H	H ₂ O-S H ₂ O-G OH,
Hyp OH ₃ Hyp OH ₃ OH ₃	Ho Cat,	H _Q Chiral H _Q C Chiral H _Q C O ₁
HC CH, HO CH,	HO NE CH3 HO CH3	Hic Orlo
H ₃ C ₁	H ₂ C CH ₃ Chiral H ₃ C CH ₃ Ch ₃ Chiral H ₃ C CH ₃	H ₃ C CH ₃ Chiral H ₃ C CH ₃ CH ₃
H ₃ C N H ₂ CH ₃ CH ₃ CH ₃ CH ₃	Hich Hich of or	HO CHI COLI



HC ON	HC, OH, HP OH,	H ₂ O ₁ , O ₁ , O ₂ , O ₃ , O ₄ , O ₅ , O ₅ , O ₆ , O ₇ , O
H ₁ C + CH ₃	Hyp CH ₃ Hyp CH ₃ CH ₃	H ₂ CH ₃
H _C OH _s	H ₂ CH ₃ CH ₃	H,C-O N OH ₃ OH ₃ OH ₃
OH ₃ Chiral H ₃ C OH ₃	CH ₃ Chiral CH ₃ Chiral CH ₃ Chiral CH ₃ Chiral	CH ₃ Chiral H ₂ O CH ₃
HC N HO OH	HC Od HC Od Od	HC CON



H _Q C O ₄ O ₄ O ₄	HC ON HC ON, HC	He day
H ₂ C CH ₃	Ho Cots Ho Cots Cots	H,C-O, CH, CH, CH, CH, CH, CH, CH, CH, CH, CH
Hic-O High Oth Oth Oth Oth Oth Oth Oth Oth Oth Ot	H\$ 04, 04, 04, 04, 04, 04, 04, 04, 04, 04,	HIC ON HICHORY
H ₃ C H ₃ O CH ₃	HC HS OF OF	H _s C CH _s H _s C CH _s CH _s
H ₃ O—CH ₃ CH ₃ CH ₃	H,C-0, H,O-01, OH, OH, OH, OH, OH, OH, OH, OH, OH, OH	HC CH'S



HIC. OH, OH, OH, OH,	10 Cots 140 Cots 00ts 00ts	H _C OH,
HO CON HO CON ON ON	H ₂ C CH ₃ H ₂ C CH ₃ OH ₃	H ₃ C CH ₃ N CH ₃ CH ₃
H ₃ C H ₃ CH ₃	H,C CH ₃	HO OH,
H _G C-O-O-O-O-O-O-O-O-O-O-O-O-O-O-O-O-O-O-O	н _у о — сн _у	H ₂ C CH ₃ CH ₃ Chiral
H ₂ C CH ₃ H ₃ C CH ₃ OH ₃	CI HO CON,	H,C CH ₃ CH ₃



H,C-O, CH,S	H ₁ O - OH ₃	HOO NOT CH,
H4C N OH OH OH	но - сн, сн, сн, сн, сн,	H ₂ C CH ₃ H ₃ C OH ₃ OH ₃
A COLY	H ₂ CH ₃	HO OH, HO OH, OH
HC HO CON	H ₂ C OH ₃ OH ₃ OH ₃	H ₂ O CoH ₃ Oct



H ₂ C ₁	HO OH, HO OH, OH, OH, OH, OH, OH,	Hyo-Cot, Hyo-Cot, Oot,
Ho ot,	45 44 45 45 45 45 45 45 45 45 45 45 45 4	H,C,CH,
OH OH, HO OH, OH, OH, OH, OH, OH, OH, OH	CH ₃ CH ₃ CH ₃ CH ₃	H,C O N H,O CH,
CH ₃ CH ₃ CH ₃ CH ₃ CH ₃		H,C+CH ₃
HO-N HO-CH, N-CH, HO-CH, AGA, AGA,	C N N N N N N N N N N N N N N N N N N N	Hic or Hip or



••

HC OH, HO OH, OH,	H ₂ C H ₂ C CH ₃ Chiral	H\$ 04,
H ₂ O-S H ₂ C OH ₃	H _S C H _D C OH,	المرابع المرا
H ₂ O CH ₃	HD 04 HD 04 O4 O4	HO CH HO CH
HC OH OH OH	H,C, O H,O OH, H,C OH, OH, OH, OH, OH, OH, OH, OH,	H ₂ CH ₃
H ₃ C CH ₃ Chiral H ₃ C CH ₃ CH ₃	H ₃ C H ₃ CH ₃	HC + + + + + + + + + + + + + + + + + + +



HC ON ON ON ON	HC COH, OH, OH, OH, OH, OH, OH, OH, OH, OH,	HE ON THE ON
H ₂ C CH ₃ CH ₃ OH ₃	H ₃ C CH ₃	HIC CH,
H ₂ CH ₃	H ₂ O CH ₃ CH ₃ CH ₄ CH ₃	



MOLSTRUCTURE	MOLSTRUCTURE	MOLSTRUCTURE
HC OH ₃ CH ₃ N N	H ₂ C OH ₃ H ₂ C OH ₃ H ₂ C OH ₃	H; CH; CH; CH; CH; CH; CH; CH; CH; CH; C
F. F	H ₃ C CH ₃	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
H;C Ot;	+¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +¢ +	



H,C OH, H,C OH,	HC OH HC OH HC OH	H.C. O.S. H.C. O.S.
H ₃ C CH ₃ H ₃ C CH ₃ N N N H ₃ C CH ₃	H; H	Hr. Or.
HC OH, HC OH, HC OH,	H ₃ C	F. F



H ₂ C OH ₃ H ₂ C OH ₃ H ₃ C OH ₃	HC CH3 HC CH3	H; H
HC 04, HC 04,	H ₂ C Ot, H ₃ C Ot, H ₃ C Ot,	H; H; OH,
H ₃ C CH ₃ H ₃ C CH ₃	H _S C OH ₃	H ₂ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₄ H ₄ C CH ₄ H ₄ C CH ₄ H ₅ C C



H ₃ C CH ₃ H ₃ C CH ₃	H ₃ C CH ₃ H ₃ C CH ₃	H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃ CH ₃
H ₂ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₃	HC OH, HC OH,	\$\frac{1}{2}\frac{1}{2
H ₂ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₄ H ₄ C	H ₃ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃	H ₃ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₃



H ₂ C OH ₃ H ₃ C OH ₃	HC H	Hg Hg Od, Hg Od, Hg Od,
H ₂ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃	H; +4; +4; +4; +4; +4; +4; +4; +4; +4; +4	4; 4; 5; 5; 5; 5; 5; 5; 5; 5; 5; 5; 5; 5; 5;
H ₃ C CH ₃ H ₃ C CH ₃ H ₃ C CH ₃	+c +	H ₃ C CH ₃ H ₃ C CH ₃



H ₃ C CH ₃ H ₃ C CH ₃ H ₃ C CH ₃	H ₃ C CH ₃ H ₃ C CH ₃ H ₃ C CH ₃	H ₃ C CH ₃ H ₃ C CH ₃
H ₂ C CH ₃	2 2 2 3 3 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	H ₂ C O ₁ H ₂ C O ₁ H ₂ C O ₁ H ₂ C O ₂ O ₃ H ₃ C O ₄ H ₃ C O ₄ O ₅
HC CH, HC CH, HC CH,	H ₃ C ₂ CH ₃ H ₃ C ₃ CH ₃ N ₂ C ₃ CH ₃	H ₃ C CH ₃



HC OH, HC	H _s C OH _s H _s C	H ₃ C CH ₃ H ₃ C CH ₃
H _y C OH ₃	H _C Oth H _C Oth H _C Oth	H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃
H ₂ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₃	H ₃ C CH ₃ H ₃ C CH ₃ H ₃ C CH ₃	HG dy HG dy HG dy



H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃ H ₄ C OH ₃	H; d, H; d, H; d,	HC OH, HC OH,
H _y C O _y H _y C O _y H _y C O _y O _y O _y O _y	#\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #\$ #	FF
H _G CH ₃		H ₂ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃



HC OH HC OH HC OH	HC OH,	HC Of
H ₃ C OH ₃ H ₃ C OH ₃	HC OH'S OH'S N N N N N N N N N N N N N N N N N N N	H ₂ C O+ ₃ H ₂ C O+ ₃ H ₃ C O+ ₃ H ₄ C O+ ₃ H ₅ C O+ ₅ H ₅ C
HC O13	HC OH, HC	H ₂ CH ₃ H ₃ CH ₃ H ₄ COH ₃ H ₄ COH ₃



HC OH HC OH HC OH	H ₃ C _C CH ₃ H ₃ C _C CH ₃ H ₃ C _C CH ₃	CH ₃ CH ₃ CH ₃ CH ₃
Hic at hi	H ₂ C O ₃	HC 04, HC 04, HC 04,
Hg 04,		F. F



HC OH, HC OH,	H ₃ C CH ₃ CH ₃ CH ₃ CH ₃ CH ₃	H ₃ C OH ₃ H ₃ C OH ₃ OH ₃ OH ₃
H ₂ C CH ₃ H ₃ C CH ₃	H ₃ C CH ₃ H ₃ C CH ₃	Hy CH
H ₂ CH ₃	H ₂ C OH ₃ H ₃ C OH ₃ OH ₃ C OH ₃ OH ₃ C OH ₃	H,C, H,C H,C H,C H,C H,C H,C H,C H,C H,C



HC OH,	HC CH3 HC CH3	Hg of, Hg of,
HC OH	HC CH'S CH'S CH'S CH'S CH'S CH'S CH'S CH	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
H ₂ C OH ₃ H ₃ C OH ₃	H ₃ C CH ₃ H ₃ C CH ₃ H ₃ C CH ₃	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2



HC CH, HC CH,	HC OH, HC	H.C. O.F. H.C. O.F.
H _y C OH ₃ H _y C OH ₃ H _y C OH ₃	H ₂ CH ₃ H ₃ CCH ₃ H ₃ CCH ₃	H ₂ C CH ₃ CH ₃ CH ₃ C
HC CH, HC CH,	Hic Orl	5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5



HC OH, HC OH, HC OH,	H ₃ C CH ₃ H ₃ C CH ₃ H ₃ C CH ₃	H ₃ C CH ₃ H ₃ C CH ₃
H _G CH ₃ H _G CH ₃ H _G CH ₃	H ₂ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₃	H ₃ C CH ₃ H ₃ C CH ₃
H ₂ C O ₁ , H ₃ C O ₁ , H ₄ C O ₁ ,	H ₃ C CH ₃	H ₂ C H ₃ C



H ₃ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃	HC OH, HC OH,	H _G CH ₃ H _G CH ₃ H _G CH ₃
H _y C OH ₃ H _y C OH ₃	H, C H, C H, C H, C C H, C C H, C C H, C C H, C C H, C C H, C H,	0,2,0
HC OH	H; H	4 2 4 5 4 5 4 5 4 5 4 5 4 5 4 5 6 5 6 5 6 5



H ₂ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₃ H ₅ C CH ₃	H _G CH ₃ H _G CH ₃ H _G CH ₃	HC CH3 HC CH3
H ₂ C CH ₃	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
H ₃ C OH ₃ H ₃ C OH ₃	d, 2, 2, 2, 2, 2, 2, 2, 3, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	H; H



HC CH3 OF FF F	44 45 45 45 45 45 45 45 45 45 45 45 45 4	HC OI,
F + F + F + F + F + F + F + F + F + F +	F + + F + F + F + F + F + F + F + F + F	H.C. H.C. C. H.C. H.
+c +c -c	H ₂ C C C C C C C C C C C C C C C C C C C	F; 00.2.0



HC Ot 9 HC Ot 9	HC CH, HC CH,	Hg 04,
HC OH, HC OH,	++++++++++++++++++++++++++++++++++++++	H;C Ot, H;C Ot
H ₃ C CH ₃ H ₃ C CH ₃ H ₃ C CH ₃	HC OH, HC OH, HC OH,	HC OH, HC OH, HC OH, HC OH,



H ₂ C OH ₃ H ₃ C OH ₃ O N N N N N N N N N N N N	HC OH, HC OH, HC OH, HC OH,	HC CH'
HC OH	#\$\frac{1}{2} \frac{1}{2} \fra	HC OI, HC OI, HC OI,
H ₂ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃	H; CH, H;	+; +; +; +; +; +; +; +; +; +; +; +; +; +



••

HC CH, HC CH,	H _y C OH, H _y C OH,	5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5
H,C OH, H,C OH, N N F	H _G CH ₃ H _G CH ₃	1-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4
HG OH, HG OH,	H _G C Ot, H _G C Ot, H _G C Ot,	\$\frac{1}{2}\frac{1}\frac{1}{2}\f



HC OH, HC OH,	H ₂ C OH ₃ H ₃ C OH ₃	H ₃ C OH ₃ H ₃ C OH ₃ OH ₃
HC OH, HC OH, HC OH,	H ₃ C CH ₃ H ₃ C CH ₃ O CI	F
H _C Od, H _C Od, H _C Od, H _C Od,	H ₂ C OH ₃ H ₃ C OH ₃ C OH ₃	£ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £



H¢ or,	H ₂ O ₃ , H ₃ O ₄ , H ₃ O	HG CI
H _C OH, H _C OH,	+;C+;	H ₃ C CH ₃ H ₃ C CH ₃ H ₃ C
+ + + + + + + + + + + + + + + + + + +	H _G C OH _g	H,C Z Z CI



H ₂ C OH ₃ H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃	Hit of Hit of	4, 4, 5, 5, 6, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,
HC OH, HC OH,	HÇ CH, HÇ CH, HÇ CH,	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
H _y C OH, H _y C OH, H _y C OH,	H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃ H ₅ C OH ₃ H ₇ C OH ₃	+4C



HC OH HC OH	H _y C OH, H _y C OH, H _y C OH,	H ₂ C OH, H ₂ C OH,
H ₃ C OH ₃ H ₃ C OH ₃ OH ₃ OH ₃ OH ₃	+\$\frac{1}{4}\$ +\$\frac{1}{4}\$	F. F
HC OH, HC OH, HC OH,	H ₂ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃	Hic at Hic at Hic at
H ₃ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃	H _y C OH ₃	HC OH, HC OH,



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H ₃ C CH ₃ H ₃ C CH ₃ OH ₃	H.C. Ot. Ot. Ot. Ot. Ot. Ot. Ot. Ot. Ot. Ot	H ₂ C + C + C + C + C + C + C + C + C + C +
H _y C Oly H _y C Oly H _y C Oly	+ç, +ç, t,	F. F
H; d, +; d,	F. F	5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Hic or's	HC O1, HC O1,	HC CH, HC

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H ₂ C OH ₃ H ₃ C OH ₃ H ₄ C OH ₃	FC OF	HC OH, HC OH,
HC OH, HC	H ₂ C OH ₃ OH ₃ OC CI	H; H
H\$ A, A A	H _G OH _g H _G OH _g Col.	H ₂ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃ OH ₃ OH ₃
HC OH, HC OH, HC OH, HC OH,	H _C OH, H _C OH, H _C OH, H _C OH,	H _y C OH ₃

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HC OH, HC	HC OH, HC OH, HC OH,	H,C OH, H,C OH, H,C OH,
HC CH, HC	H ₂ C + H ₂ C + H ₂ C + H ₃ C	H; d, +; d,
HC O'S HC O'S HC O'S	H;C CH;	H ₂ C OH ₃ H ₃ C OH ₃ H ₃ C OH ₃
Hit or	Hit or Hit or	HC Of HC Of



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H ₂ COH ₃	HC OH, HC OH,	HC Ot's
H _G C OH, H _G C OH, H _G C OH, N N N N N N N N N N N N N N N N N N N	HC O4 CC	2 2 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Hit at	H ₂ C OH ₃ H ₃ C OH ₃ CH ₃	£;

